

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| S1 | 982 | "contrast agent" with (suspension or suspendible) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/07/03 15:31 |
| S2 | 78 | S1 and "604".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/07/03 15:31 |
| S3 | 4 | ("5935113" "6235003"). PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/07/03 15:36 |
| S4 | 32 | ("0964730" "1428043" "3373906" "3378168" "3464412" "3760806" "3858853" "4147621" "4596555" "4776704" "4941751" "5030203" "5053019" "5071040" "5246670" "5286257" "5318539" "5330426" "5352036" "5395323" "5716339" "5725500" "5806519" "5891087" "5897530" "6033645" "6177061").PN. OR ("6554792").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/03 15:37 |
| S5 | 33 | ("1428043" "3373906" "3378168" "3464412" "3760806" "3858853" "4147621" "4596555" "4596555" "4638809" "4776704" "4941751" "5030203" "5053019" "5053019" "5071040" "5246670" "5286257" "5318539" "5330426" "5352036" "5395323" "5716339" "5725500" "5806519" "5891087" "5897530" "5897530" "6033645" "6177061" "0964730").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/03 15:38 |

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|----|----|---|---------------------------|-----|----|---------------------|
| S6 | 27 | ("3302834" "3470874" "3472455" "4030665" "4596555" "5030203" "5310540" "5318539" "5328099" "5470311" "5505193" "5520166" "5522378" "5569191" "5660167" "5695741" "5720938" "5806519" "5897530" "5897851" "5935113" "5985246" "6006745" "6235003"). PN. OR ("6770051"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/03 15:39 |
| S7 | 32 | ("3302834" "3470874" "3472455" "3760806" "4030665" "4596555" "4638809" "5030203" "5310540" "5318539" "5328099" "5470311" "5505193" "5520166" "5522378" "5569191" "5660167" "5695741" "5720938" "5806519" "5897530" "5897851" "5935113" "5985246" "6006745" "6235003" "6554792" "6770051" "6871087").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/03 15:40 |
| S8 | 30 | ("0964730" "1428043" "3373906" "3378168" "3464412" "3858853" "4147621" "4596555" "4776704" "4941751" "5030203" "5053019" "5071040" "5246670" "5286257" "5318539" "5330426" "5352036" "5395323" "5716339" "5725500" "5806519" "5891087" "5897530" "6033645").PN. OR ("6871087").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/03 15:40 |
| S9 | 22 | ("1948388" "2515956" "2647514" "2711734" "2939459" "3673411" "3746216" "3749084" "4044758" "4122836" "4190046" "4241728"). PN. OR ("5053019"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:06 |

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|-----|------|---|--|-----|-----|---------------------|
| S10 | 10 | ("4568335" "4850966" "5246670" "5352036" "5489266" "5603695"). PN. OR ("5725500"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:07 |
| S11 | 1216 | "contrast agent" with (suspension or mixed or suspendible) | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:17 |
| S12 | 1257 | "contrast agent" with (suspension or mixed or suspendible or mix) | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:18 |
| S13 | 1342 | "contrast agent" with (suspension or mixed or suspendible or mix or mixing or suspending) | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:18 |
| S14 | 370 | S13 and (grooves or channels) | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:18 |
| S15 | 18 | S13 and (grooves or channels) with (radial or circumferential) | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:19 |
| S16 | 4 | ("4339206").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 14:20 |
| S17 | 2 | ("4191480").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 14:20 |
| S18 | 25 | ("1637697" "3066920" "3775063" "3785572"). PN. OR ("4191480"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:21 |
| S19 | 15 | ("1637697" "3219483" "3773098" "3802668" "3924989" "4182601" "4191480" "4309160" "4344752" "4408890" "4753535" "5865537"). PN. OR ("6899453"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:22 |
| S20 | 38 | ("2322581" "2354807" "2895819" "2930767" "2983597" "3055763" "3224846" "3617594"). PN. OR ("3773098"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:23 |

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| S21 | 50 | ("1626487" "3523906" "3655166" "3691090" "3737337" "3773098" "3773919" "3779518" "3891570" "3960757" "4026817" "4050676" "4221862" "4230630" "4241023" "4334884" "4384975" "4389330" "4530840" "4940588" "5066436" "5076705" "5407609" "5421408" "5478564" "5541172" "5650173" "5654008" "5656299" "5670093" "5688801" "5770231" "5792477" "5871778" "5916598" "5945126" "5965168" "6291013" "6331317" "6395304"). PN. OR ("6540393"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:23 |
| S22 | 2 | ("4264212").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 14:25 |
| S23 | 2 | ("5837529").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 14:25 |
| S24 | 2 | ("5137369").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 14:26 |
| S25 | 38 | ("2815532" "3457342" "3458900" "3469279" "3701619" "3856270" "3881701" "3968307" "4134954" "4197020" "4307054" "4414276" "4869849").PN. OR ("5137369").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:27 |
| S26 | 38 | ("2815532").URPN. | USPAT | AND | ON | 2008/07/08 14:31 |
| S27 | 37 | ("2125245" "3045984" "3377139" "3388868" "3582048" "3593964" "4068830" "4396529"). PN. OR ("4869849"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:32 |

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|-----|----|--|---------------------------|-----|----|---------------------|
| S28 | 27 | ("3089683" "3526391" "3855368" "3856270" "3941355" "4027857" "4109363" "4124309" "4135180" "4222671" "4305672" "4361407" "4441823" "4514095" "4591274" "4679628" "4869849" "5137369" "5397179" "5516209" "5547281").PN. OR ("5863129").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:33 |
| S29 | 38 | ("0128693" "1390096" "1857348" "3018841" "3041051" "3361412" "3693457" "3756570" "3913894" "3941355" "4129624" "4135180" "4441823" "4647212" "4848920" "5137369" "5232283" "5237369" "5460449" "5547281" "5863129" "5928521" "5997283" "6000839" "6033103").PN. OR ("6447158").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:33 |
| S30 | 7 | ("2815532" "4560284" "4614440" "5232283"). PN. OR ("5489154"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:35 |
| S31 | 36 | ("20030017252" "2595210" "2797904" "2815532" "2858219" "3064680" "3232590" "3413387" "3792839" "3936382" "4107262" "4212544" "4567050" "4626187" "4758097" "5106240" "5374405" "5556200" "5639485" "5660039" "5853576" "5863587" "5871795" "5919509" "6132079" "6142067" "6170979" "6389838" "7093973"). PN. OR ("7322739"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:36 |
| S32 | 36 | ("1496345" "2125245" "2312639" "3286992" "3544290" "3861652"). PN. OR ("4068830"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:48 |

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| S33 | 45 | ("3001914" "3127763"). PN. OR ("3693457"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:50 |
| S34 | 33 | ("2505355" "3051452" "3286992" "3404869" "3583678" "3664638" "3704006" "3785620" "3871624" "3923288" "3989434" "4201480" "4541982" "4614440"). PN. OR ("4848920"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:50 |
| S35 | 45 | ("3286992" "3860217" "3923288" "4208136" "4522504").PN. OR ("4614440").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:51 |
| S36 | 11 | ("4039170" "4403863" "4552463" "4560284" "4619531" "4632568" "4801210" "4830505" "4848920").PN. OR ("5368382").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 14:57 |
| S37 | 964 | mixer and stacked with plates | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/07/08 15:02 |
| S38 | 98 | S37 and circumferential | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/07/08 15:02 |
| S39 | 14 | S37 and circumferential near2 (groove or channel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/07/08 15:03 |
| S40 | 5 | ((("4135510") or ("6447158") or ("199858730")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 15:04 |
| S41 | 6 | ((("4135510") or ("6447158") or ("1998058730")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 15:06 |
| S42 | 5 | ((("4135510") or ("6447158") or ("19980058730")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 15:07 |
| S43 | 10 | ("4568335" "4850966" "5246670" "5352036" "5489266" "5603695"). PN. OR ("5725500"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 15:20 |

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| S44 | 30 | ("1060419" "2198861" "2258174" "3290017" "3429654" "3758087" "3823924" "3924807" "4136976" "4640623" "4641974" "4668442" "4928857" "5236262" "5544960" "5690819" "5725500" "5788369" "5829648" "D232238" "D331793").PN. OR ("6379032").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 15:20 |
| S45 | 4 | ((("6257573") or ("4262904")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/08 15:22 |
| S46 | 19 | ("0489394" "0531671" "0600696" "0658097" "0876779" "1352517" "3005635" "3552750" "3612533" "3901510" "3924857").PN. OR ("4262904").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/08 15:23 |
| S47 | 2 | ("876779").URPN. | USPAT | AND | ON | 2008/07/08 15:24 |
| S48 | 3 | ("3985165").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/17 11:11 |
| S49 | 6 | ("3292667" "3643927"). PN. OR ("3985165"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/17 11:11 |
| S50 | 50 | ("3206170" "3526391" "3623704" "3701619" "3782694").PN. OR ("3856270").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/17 11:17 |
| S51 | 15 | ("2890868" "3206170" "3526391" "3582048" "3623704" "3701619"). PN. OR ("3782694"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/07/17 11:18 |
| S52 | 2 | ((("20080015543") or ("20060816082") or ("20070821680")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/17 12:41 |
| S53 | 2 | ("6354729").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/07/17 12:47 |

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|-----|----|---|---------------------------|-----|----|---------------------|
| S54 | 39 | ("0128693" "1390096" "1857348" "3018841" "3041051" "3361412" "3693457" "3756570" "3913894" "3941355" "4129624" "4135180" "4441823" "4647212" "4848920" "5137369" "5232283" "5237369" "5460449" "5547281" "5863129" "5928521" "5997283" "6000839" "6033103").PN. OR ("6447158").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:38 |
| S55 | 51 | ("3206170" "3526391" "3623704" "3701619" "3782694").PN. OR ("3856270").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:42 |
| S56 | 37 | ("2125245" "3045984" "3377139" "3388868" "3582048" "3593964" "4068830" "4396529"). PN. OR ("4869849"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:42 |
| S57 | 40 | ("2815532" "3457342" "3458900" "3469279" "3701619" "3856270" "3881701" "3968307" "4134954" "4197020" "4307054" "4414276" "4869849").PN. OR ("5137369").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:43 |
| S58 | 15 | ("2890868" "3206170" "3526391" "3582048" "3623704" "3701619"). PN. OR ("3782694"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:43 |
| S59 | 19 | ("2422809" "2460831" "2460964" "3605183"). PN. OR ("4135180"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:43 |
| S60 | 51 | ("0582530" "0589708" "1391364" "1427924" "1915867" "1947586" "2470282" "2693391" "3298197" "3682443" "3782694" "3856270" "4226368" "4340311" "4501501" "4715395" "4967440" "5127123"). PN. OR ("5327941"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:45 |

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|-----|-------|--|--|-----|-----|---------------------|
| S61 | 21 | ("2835481" "3266780" "3701619" "3856270" "4018426" "4299655"). PN. OR ("4560284"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 13:45 |
| S62 | 21 | ("2835481" "3266780" "3701619" "3856270" "4018426" "4299655"). PN. OR ("4560284"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/01/30 14:13 |
| S63 | 34 | ("3701619").URPN. | USPAT | AND | ON | 2009/01/30 14:14 |
| S64 | 12494 | static with mix\$3 | USPAT | AND | ON | 2009/01/30 14:15 |
| S65 | 9233 | static near mix\$3 | USPAT | AND | ON | 2009/01/30 14:15 |
| S66 | 391 | static near mix\$3 with plate | USPAT | AND | ON | 2009/01/30 14:15 |
| S67 | 22 | static near mix\$3 with plate with channels | USPAT | AND | ON | 2009/01/30 14:15 |
| S68 | 2 | ("6354729").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2009/02/02 07:35 |
| S69 | 25 | (US-20050215954-\$ or US- 20010018571-\$ or US- 20010056256-\$ or US- 20030105423-\$ or US- 20040260242-\$).did. or (US-6554792-\$ or US- 6770051-\$ or US-6871087- \$ or US-5053019-\$ or US- 5725500-\$ or US-6899453- \$ or US-5137369-\$ or US- 3856270-\$ or US-4869849- \$ or US-5863129-\$ or US- 6447158-\$ or US-7322739- \$ or US-5368382-\$ or US- 0876779-\$ or US-3811676- \$ or US-3985165-\$ or US- 3782694-\$ or US-6354729- \$ or US-4135180-\$ or US- 4560284-\$).did. | US-PGPUB; USPAT | AND | ON | 2009/06/02 09:56 |
| S70 | 5 | S69 and (pit or pore or irregularity or irregularities) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/06/02 09:57 |

8/ 4/ 2009 1:46:19 PM

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